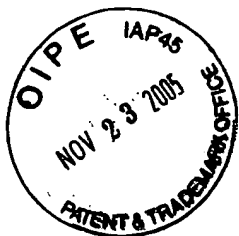


IAP4 Rec'd PCT/PTO 23 NOV 2005



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q88453

Takanori MIYOSHI, et al.

Appln. No.: 10/544,112

Group Art Unit: 1774

Confirmation No.: 9429

Examiner: NOT YET ASSIGNED

Filed: August 2, 2005

For: POROUS FIBER, POROUS FIBER STRUCTURE AND METHOD FOR PRODUCING  
THE FIBER STRUCTURE

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents (International Search Report (ISR) for PCT/JP2004/001453), together with an English-language version of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant submits the following explanations:

1. The disclosure on pages 1 and 3 of the present specification and the submission of an English language abstract for JP 63-145465 A constitutes a concise statement of relevance of JP 63-145465 A.

2. The disclosure on pages 1 and 3 of the present specification and the submission of an English language abstract for JP 2002-249966 A constitutes a concise statement of relevance of JP 2002-249966 A.

3. The disclosure on pages 2 and 3 of the present specification and the submission of an English language abstract for WO 02-16680 A1 constitutes a concise statement of relevance of WO 02-16680 A1.

4. The disclosure on pages 1 and 3 of the present specification and the submission of Tissue Engineering, page 258, the translation of which was supervised by the team represented by Noriya Oono and Masuo Aizawa, NTS Inc., January 31, 2002 constitutes a concise statement of relevance.

5. The disclosure on pages 1, 2 and 3 of the present specification and the submission of Joel D. Stitzel, et al, Arterial Smooth Muscle Cell Proliferation on a Novel Biomimicking, Biodegradable Vascular Graft Scaffold, Journal of Biomaterials Applications 2001, Vol. 16, USA, page 22-23.

6. The disclosure on pages 2 and 3 of the present specification and the submission of Michael Bognitzki, et al, Nanostructured Fibers via Electrospinning, Advanced Materials 2001, Vol. 13, USA, page 20-72 constitutes a concise statement of relevance.

7. The disclosure on page 3 of the present specification and the submission of an Michael Bognitzku, et al, Preparation of Fibers with Nanoscaled Morphologies: Electrospinning of Polymer Blends, Polymer Engineering and Science 2001, Vol 41, USA, page 982-989 constitutes a concise statement of relevance .

8. The indication in the International Search Report of the degree of relevance found by the foreign patent office and the submission of an English language abstract for JP 57-51809 A constitutes a concise statement of relevance of JP 57-51809 A.

9. The indication in the International Search Report of the degree of relevance found by the foreign patent office and the submission of an English language abstract for JP 51-40476 A constitutes a concise statement of relevance of JP 51-40476 A.

10. The indication in the International Search Report of the degree of relevance found by the foreign patent office and the submission of an English language abstract for JP 3-284326 A constitutes a concise statement of relevance of JP 3-284326 A.

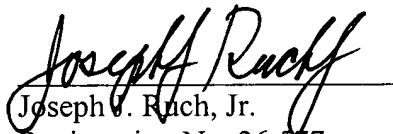
INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. No.: 10/544,112

Attorney Docket No.: Q88453

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
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WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: November 23, 2005

Substitute for Form 1449 A &amp; B/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

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Complete if Known

Application Number	10/544,112
Confirmation Number	9429
Filing Date	August 2, 2005
First Named Inventor	Takanori MIYOSHI
Art Unit	1774
Examiner Name	Unknown
Attorney Docket Number	Q88453

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	63-145465		6-17-1988	KURARAY CO. Co. LTD.	Abstract Only
		JP	2002-249966		09-06-2002	KOREA INST OF SCIENCE & TECHNOLOGY	Abstract Only
		JP	57-051809	A	03-26-1982	CARL FREUDENBERG	Abstract Only
		WO	02-16680	A1	02-28-2002	CREAVIS GESELLSCHAFT FUR TECHNOLOGIE UND INNOVATION MBH	Abstract Only
		JP	51-40476	A	04-05-1976	IMPERIAL CHEMICAL INDUSTRIES, LTD	Abstract Only
		JP	3-284326	A	12-16-1991	KURARAY CO., LTD.	Abstract Only

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		Tissue Engineering, page 258, the translation was supervised by the team represented by Noriya Oono and Masuo Aizawa, NTS Inc., January 31, 2002	
		Joel D. Stitzel, et al, Arterial Smooth Muscle Cell Proliferation on a Novel Biomimicking, Biodegradable Vascular Graft Scaffold, Journal of Biomaterials Applications 2001, Vol. 16, USA, page 22-23	
		Michael Bognitzki, et al, Nanostructured Fibers via Electrospinning, Advanced Materials 2001, Vol. 13, USA, page 20-72	
		Michael Bognitzki, et al, Preparation of Fibers with Nanoscaled Morphologies: Electrospinning of Polymer Blends, Polymer Engineering and Science 2001, Vol 41, USA, page 982-989	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.